



Year 10

End of Year
exams revision
guide

W/B 17th & 24th
June 2024

Dear Year 10 student,

The information within this booklet will help guide you through your end of year exams in year 10. Take the time to read the information given for each subject and what to expect in their exam.

The examinations are due to start on week beginning 17th June and will last two weeks. Please note the change to the format of your exams to what you have experienced before:

- Week 1(W/B 17th)- **'Option' subjects** and sat in classrooms at the specified time
- Week 2 (W/B 24th)- **'Core' subjects** (Science, Maths, English & R.E) sat in the main hall in normal GCSE conditions

Should you have any questions or queries regarding your exams, please ask your class teacher or relevant Head of Department.

Do not panic! Exams are a great opportunity to showcase your fantastic knowledge and display how you have progressed within your KS4 courses. Everyone has different targets; do not compare yourself to others in your class, the only person you should try and do better than is yourself!

Work hard, get plenty of preparation in and remember the best approach is little and often!

Best of luck
Mr Brockman

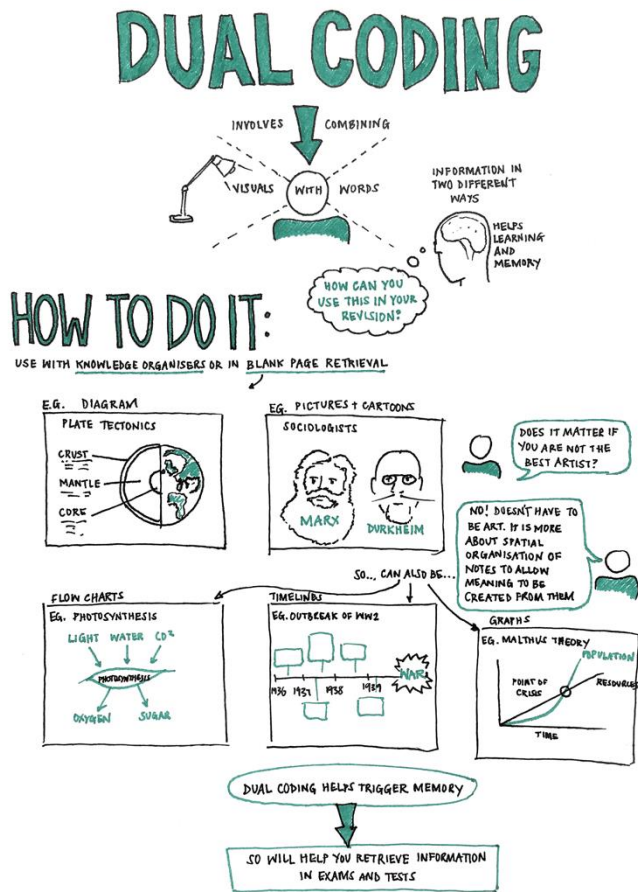
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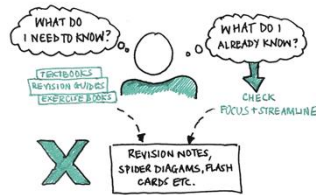
Revision strategies

Have a look at <https://hayestl.com/students/>. Here you will find some really useful strategies for revision along with videos of how to best use these.

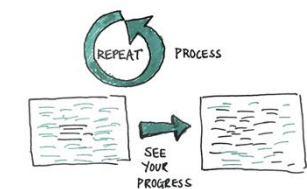
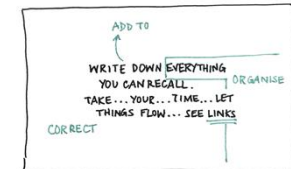
Everyone has different techniques of what they like and what works for them. I always found blank page retrieval and dual coding beneficial- what works best for you?



BLANK PAGE RETRIEVAL PRACTICE



HOW TO DO IT:



BENEFITS:

1. THE PROCESS OF RETRIEVAL NOT ONLY SHOWS WHAT YOU CAN RECALL BUT IT STRENGTHENS YOUR ABILITY TO RECALL IT AGAIN TOO!
2. CLARITY
3. FOCUSED REVISION - NOT WASTING TIME

AND...

AVOIDS THE 'ILLUSION OF KNOWING'



WE GET FROM SIMPLY RE-READING OR HIGHLIGHTING FAMILIAR INFORMATION.

Remember, planning is key. At the end of this

booklet, you will find a template which you can use to create a revision plan over 2 weeks. Again, everyone works differently. It may be you choose to do 2x 40mins revision each day with a short break in-between, or go for 1hr30 non-stop. Science has proven that the brain remembers the most information when in short bursts.

Learning Platforms:

There are some excellent learning platforms available to support your revision and which you should be familiar with including:

- GCSE Pod
- SPARX Maths
- Hegarty Maths
- Educake
- Seneca Learning

GCSE Pod:

Everyone has access to GCSE Pod and this can be accessed on the website using your normal school log-in and password (by clicking on the orange 'log-in with 365' banner). As a subscriber, you have access to GCSEPod's library of over 6,500 'Pods', 3-5 minute videos designed to deliver knowledge in short bursts. GCSEPod makes learning and revision much more manageable: every Pod is mapped to our exam boards, and contains all the right facts, quotes, keywords, dates and annotated diagrams that your child needs to prepare them for their GCSE exams.

GCSEPod is extremely easy to access, you can download any 'Pod' to their mobile device, which you can then watch at any time, in any place, with or without internet. The GCSEPod app can be downloaded from the App Store (Apple and Android are supported).

As well as Pods, GCSEPod also has a host of Student Learning Activities which are designed to help commit content to your long-term memory.

Hayes School Website:

Further to Hayestl.com, navigate the school website by clicking on the 'Curriculum' tab and filtering by subject. On here you will find, for each subject:

- A full list of PLCs for KS4
- Key Word lists
- Curriculum maps

HAYES SCHOOL

HOME ABOUT US NEWS & EVENTS CURRICULUM STUDENTS PARENTS SIXTH FORM VACANCIES

YOU ARE HERE: MAIN SCHOOL > CURRICULUM

CURRICULUM

- Curriculum Intent
- Art
- Business & Economics
- Design & Technology

CURRICULUM

- Curriculum Intent
- Art
- Business & Economics
- Design & Technology
- Dance
- Drama
- English
- Geography
- History
- ICT & Computer Science
- Mathematics

<https://www.hayes.bromley.sch.uk/home/curriculum/>

Study Hub

A reminder that we are running a Year 10 Study Hub to all Year 10 students in room C1R. This is an optional activity, but one I strongly recommend. This will be a combination of teaching revision strategies and allowing time for independent revision using computers in school. I hope to see as many of you there along (there will be some sweet treats on offer!).

Making a revision timetable

This year, a focus for you all has been developing the skills needed to be an independent learner through tasks such as SPARX and Educake activities. The next instalment of this is how to effectively make a revision timetable.

As mentioned in assembly, there is a step-by-step guide on how to do this on Satchel One and even a blank template for you to populate with your own activities. Spend some time to go to that, plan out your revision and stick to it. Investing the time at the start to make a plan will make the whole process much more efficient. Attend the Study Hub on Mondays and this is something we can help you with!

How to use a PLC to plan your revision

How to structure and plan your revision

1

Get the **learning checklist** for your subject from your teacher.

Learning Objectives	I can do this	I need to do this	I need to do this more
Describe the process of colonisation and migration.			
Explain the reasons for colonisation and migration.			
Identify the different types of colonisation and migration.			
Describe the impact of colonisation and migration on the environment.			
Explain the impact of colonisation and migration on the economy.			
Identify the different types of migration.			
Describe the impact of migration on the environment.			
Explain the impact of migration on the economy.			

2

Complete the checklist for your chosen topic in the subject.

3

Starting with red or red/amber topics, **diagnose what you need to do to improve.**

4

Select an appropriate revision activity and resource that will target your improvement need.

5

Allocate the activity to your revision timetable.

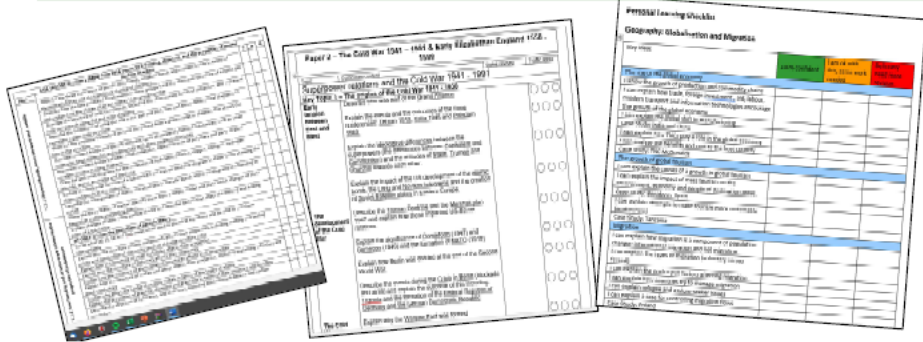
How to use a learning checklist to boost your learning

2 Complete the checklist for your chosen topic or sub-topic in the subject.

Use Red / Amber / Green or perhaps Sad / Neutral / Happy faces for each statement in the checklist, as follows:

- Red** In a test right now I would get less than a **quarter** of the marks in questions about this.
- Amber** In a test right now I would get around **half** of the marks in questions about this.
- Green** In a test right now I would get more than **two-thirds** of the marks in questions about this.

Properties of matter	R	A	G
atoms in terms of	✓		
structure of a noble gas	✓		
reaction, and represent		✓	
structural diagrams to	✓		
diagram that shows the		✓	
particles, such as small		✓	
small parts of giant		✓	
oxygen, hydrogen	✓		
simple forms showing the			✓
describes the bonding in		✓	
state changes of state		✓	
melting and boiling	✓		
to use them		✓	
melting and boiling			✓
		✓	✓
explaining why they are			✓
structure and bonding		✓	✓
of carbon			✓



3 Starting with red or red/amber topics, diagnose what you need to do to improve.

4 Select an appropriate revision activity and resource that will target your improvement need.

Didn't learn topic properly

Incomplete class notes on topic

Key definitions / knowledge 'just off' being correct / poor recall

Not understanding what question is asking you to do / how to answer the question

Create a **knowledge organiser**

Use **annotation** to expand and improve your lesson notes

Use **exam question analysis** (eg TEEPEE) to learn what exam questions want you to do

Use the **Cornell method** to make summary notes for the topic

Create a **mind-map** which links key ideas, concepts and exam command words

Text books and revision guides

YouTube videos on topic

Classwork notes

Deliberate practice tasks and feedback

Exam and test papers

Header	R	A	G
gas	✓		
any	✓		
		✓	
		✓	
		✓	
		✓	
the	✓		
			✓
		✓	
		✓	
		✓	
re			✓
			✓
			✓
			✓

Letter	R	A	G
Water	✓		
gas	✓		
ant		✓	
	✓		
		✓	
		✓	
he	✓		✓
		✓	
		✓	
		✓	
		✓	
ire			✓
			✓
			✓
			✓

3 Next look at amber topics. Diagnose what you need to do to improve.

- Incomplete class notes on topic
- Poor recall of Key definitions / knowledge
- Lack of question practise
- Poor exam technique

- Use **annotation and elaboration** to expand and improve your lesson notes
- Use **dual-coding** with topics to strengthen your understanding
- Use **exam question analysis** (eg TEEPEE) to learn what to do in exam questions

Text books and revision guides

4 Select an appropriate revision activity and resource that will target your improvement need.

- Use the **Cornell method** to make successive summary notes for the topic, including key words and flash card notes
- Complete **blank page retrieval** tasks to improve your recall of key knowledge
- Complete lots of **exam questions** to time, and carefully mark and analyse your answers

Classwork notes

Exam and test papers

Letter	R	A	G
Water	✓		
gas	✓		
ant		✓	
	✓		
		✓	
		✓	
he	✓		✓
		✓	
		✓	
		✓	
		✓	
ire			✓
			✓
			✓
			✓

3 Next look at green topics. Diagnose what you need to do to improve.

- Incomplete class notes on topic
- Poor recall of Key definitions / knowledge
- Lack of question practise
- Poor exam technique

- Use **elaboration and linking** to expand and extend your lesson notes.
- Complete **blank page retrieval** tasks to improve your recall of key knowledge.
- Create knowledge Q&A **flash cards**, and use **interleaved and spaced testing**.

Text books and revision guides

4 Select an appropriate revision activity and resource that will target your improvement need.

- Use the **Cornell method** to make successive summary notes for the topic, including key words and flash card notes.
- Read around the topic** to give you more context for answering unexpected questions.
- Complete lots of **harder exam questions** to time, and carefully mark and analyse your answers.

Classwork notes

Exam and test papers

5

Allocate the activity to your revision timetable.

My revision planning			
Topic	Diagnosis	Activity	Resource
Chemistry - Electronic structure	Red - missing classwork	Review - using Cornell notes	Science Revision guide
English - Romeo & Juliet	Amber - Run out of time in exams	Practice - write essay frames using PEEL	Example exam questions
Spanish - non standard verbs	Red - Poor recall of verb forms	Review - copy and cover memorisation	Class notes
Maths - transformations	Green - Lack of breadth of practice	Practice - use harder questions	Past exam papers from exam board website

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
08:00 - 09:30							
09:30 - 10:00							
10:00 - 10:30							
10:30 - 11:00							
11:00 - 12:00							
12:00 - 12:30							
12:30 - 13:00							
13:00 - 14:00							
14:00 - 14:20							
14:20 - 15:00							
15:00 - 16:00							
16:00 - 16:20							
16:20 - 17:00							
17:00 - 17:30							
17:30 - 18:00							
18:00 - 19:00							
19:00 - 19:30							
19:30 - 20:00							
20:00 - 20:30							

Exam Timetable

The exams will take place during a two week window starting the **w/b 17th June**. In the first week students will sit classroom examinations in their option subjects along with RE, during their usual lesson time and in the second week students will sit core subjects including Maths, English and Science in the Sports Hall. A comprehensive timetable is currently being finalised and will be published in due course.

Art

Subject:

Art

Exam format:

Two lessons under exam conditions.

You will be working on your coil pot sculpture. You will be assessed on what you produce in the timed test and the preparation work in your sketchbook

Art Textiles

Subject:

Art Textiles

Exam format:

BEFORE THE EXAM YOU CAN PREPARE ELEMENTS TO USE. YOU WILL BE WORKING ON YOUR A1 OUTCOME: CARDBOARD RELIEF.

- Before the exam have all your pieces cut out and surfaces prepared
 - Print out the face for your outcome in A4 colour
 - Have your mock up made
 - Have your final design drawn up with techniques labelled. A mixture of paper and material.
- SKETCHBOOKS: To be handed in at the end of the exam with all work up to date.



Business Studies

<u>Subject:</u> Business Studies
<u>Key topics to revise:</u>
1.1.1 The dynamic nature of business
1.2.1 Customer needs
1.2.3 Market segmentation
1.2.4 The competitive environment
1.3.2 Business revenues, costs and profits
1.3.3 Cash and cash-flow
1.3.4 Sources of business finance
1.4.1 The options for start-up and small businesses
1.5.4 The economy and business

Creative iMedia

<u>Subject:</u> Creative iMedia
<u>Key topics to revise:</u>
Types of media
<ul style="list-style-type: none">• Purposes of media• Media jobs & roles• The production process• Media Regulation• Planning documents for a media product (what makes a good; Storyboard?, Location reece? Mood board? Visualisation diagram?)• Use of colour• Camera techniques• Mise en scene, lighting and audio• Audience – Demographics & Psychographics



Computer Science

Subject:

Computer Science

Exam format:

Paper 1

1.1 Systems architecture

1.2 Memory and Storage

1.3 Computer networks, connections and protocols

Paper 2

2.1 Computational Thinking

2.2 Programming Techniques

Top Tips

1 Use the resources you have given them – Educake, Teach-ICT, Seneca, Lesson PowerPoints as they directly relate to this syllabus which others may not

2 Always read through the paper before answering, taking care to underline all the keyword

Dance

Subject:

Dance

Key topics to revise

Performance skills

Choreography skills

Professional works- Artificial things, A Linha Curve & Shadows

Exam 1 (30 mins) – Section B (knowledge of the performance skills in their own 'A Linha Curva' performance piece (6 mark questions)

Exam 2 (45-50 mins) Section C (knowledge of the THREE professional works A Linha Curva, Shadows & Artificial Things)
(A mixture of 1, 6 & 12 mark questions)



Drama

Subject:

Drama

Exam format

Set text "I Love You Mum, I Promise I won't Die" - Short answer and one longer design question.

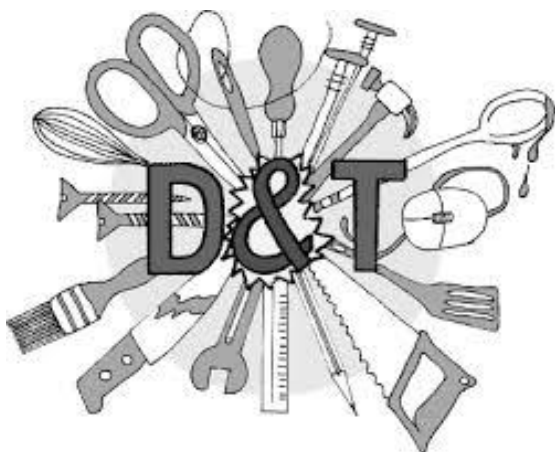
Design and Technology

Subject:

Design and Technology

Key topics to revise:

1. Timbers: Hardwoods and Softwoods, properties and uses
2. Wood Joints: Finger joint, Lap joint, Housing joint and Mortis and Tenon joint
3. Finishes that can be applied to timbers: Wax, Varnish, paint and Tanalising
4. Sustainability and the 6 R's
5. H&S in the workshop
6. Methods of joining: Adhesives and Mechanical fixings
7. CAD/CAM examples and used based on what we have covered in project work
8. Lamination process for shaping curved pieces from bendy plywood.
9. Kerfing method
10. Analysing existing products using ACCESS FM
11. Area and angles maths based question



English

Subject:
English

Exam format:

Literature – essay based and 1 hour 45

Language – unseen text – 4 reading questions and 1 creative writing question – 1 hour 45

Key topics to revise:

English Literature	Modern Texts ('An Inspector Calls')
	Poetry ('Power and Conflict')
English Language	Explorations in creative reading and writing

French

Subject:
French

Exam format:

Listening exam

Reading exam

Writing exam

Key topics to focus revision on:

Family

Relationship

Technology

Free-Time

School



Geography

Subject:

Geography

Exam format:

2X 45mins

Key topics to focus your revision on:

Paper 1

- Climate Change
- Tropical Storms
- Earthquakes and Tsunamis (including named case study)
- Volcanoes

Case Studies:

Hurricane Katrina (Developed) and Typhoon Haiyan (Developing)

Japan (Developed) and Haiti (Developing)

Paper 2

The Impact of TNC's

- The influence of migration
- Decline of East London
- Population and why it varies around the UK

Key Case Study - London

Fieldwork:

Case Study - Stratford

- Examples of quantitative and qualitative fieldwork
- Presentation of data
- Limitations that influenced the reliability of the data and how you overcame them
- Population and why it varies around the UK



German

Subject:

German

Exam format:

Reading, listening and writing

Key topics to focus your revision on:

Family

Relationships

Technology

Free-time

History

Subject:

History

Exam format:

The focus of the exam will be a series of short and longer questions that will cover the topics the students have learnt this year.

Key topics to focus your revision on:

Medicine through time

The British sector of the Western Front 1914-18



Maths

Subject:

Maths- HIGHER TIER

Topics to revise (with Sparx codes):

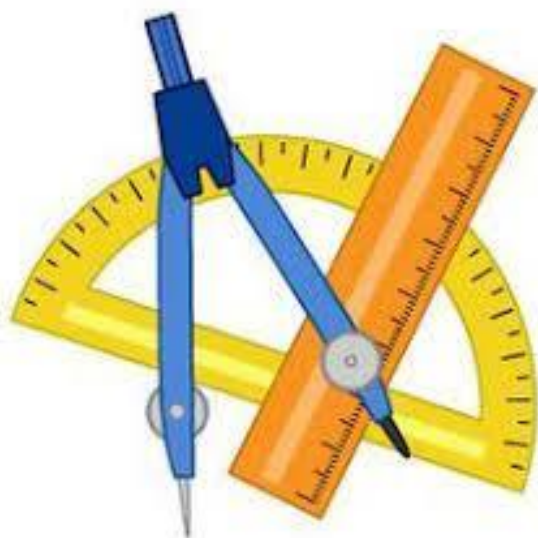
<u>Non-Calculator</u>	
TOPIC	SPARX CODES
Fractions four operations (+,-,x,/)	U736, U793, U475, U224, U538, U544
Ratio Problem solving	U595
Percentage Profit	U773 U671
Estimation	U225
Speed Distance Time	U151
Plans and Elevations	U743
Co-ordinate Geometry	U889
Transformations	U196, U696, U799, U519, U766
Area of 2D shapes	U343
Fractional and negative indices	U694, U235, U985, U772
Cumulative Frequency and box plots	U182, U507, U642
Independent and conditional probability-trees	U558, U729, U806
Probability problem solving	U510
Completing the square	U397
Turning points	U769
Expanding brackets with surds	U499
Simplifying surds	U338
Direct and Inverse Proportion	U238, U407, U721, U640, U364, U357
Factorising (Difference of squares)	U178 U963
Simplifying Algebraic Fractions	U294
Constructions	U245
Equation of a line (Parallel and Perpendicular)	U898
Quadratic inequalities	U133, U665

Subject:

Maths- HIGHER TIER

Topics to revise (with Sparx codes):

<u>Calculator</u>	
TOPIC	SPARX CODES
Scatter Graphs	U199, U277, U128
Expanding brackets	U179
Area of 2 D shapes	U343
Venn Diagrams	U476, U748
Trigonometry	U283, U545
Probability problem solving	U510
Solving equations	U325, U870
Angles in Polygons	U427
Standard form	U161, U330, U534
Calculation problems (using calculators)	U161, U926
Lowest Common Multiple problems	U751
Percentage Increase and Decrease	U278, U286, U773, U671
Gradient of a graph	U848
Similar shapes	U551, U578, U110, U630
Combinations	U369
Constructing equations	U599
Quadratic sequences	U206
Volume of prisms	U786, U174
Plotting Quadratic Graphs	U989
Significant points of a quadratic graphs	U667
Venn Diagrams	U476, U748



Maths- Foundation Tier

Subject: Maths- FOUNDATION	
Non-Calculator	
Topic	Sparx Codes
Rounding	U480 U298
Ordering Directed number	U947
Ordering decimals	U435
FDP conversions	U888
Equivalent fractions	U704
Collecting Like terms	U105
Simplifying expressions	U662
Probability scale	U803
Probability problem solving	U510
Money problem solving	U721
Identifying parts of a circle	U767
Factors multiples primes	U751, U529, U739,
Bar charts	U363 U557
HCF, LCM	U529, U739,
Percentages of amounts	U349, U554
Substitution	U585, U144
Expand expressions	U179
Solve equations	U325
Write fractions as ratios	U176
Calculating with directed number	U742,
Fractions four operations	U736, U793, U475, U224, U538, U544
Ratio problem solving	U595
Percentage profit	U773 U671
Speed Distance Time	U151
Plans and elevations	U743
Surface area	U871,
Coordinate geometry	U889
Plotting linear graphs	U741
Vector arithmetic	U632, U564,

Subject:

Maths- FOUNDATION

Calculator

Topics	Sparx codes
FDP conversion	U888
Rounding	U480 U298
Sequences	U213, U498
Factors multiples primes	U751, U529, U739,
Calculation problems (using calculators)	U161, U926, U731, U965
Construct equations	U599
Interpret time tables	U902
Money problem solving	U721
Quantity as a fraction of another	U925, U881
Scale drawings	U257
Match equations to graphs	U669
Area of a circle problem solving	U950
Order of operations (BIDMAS)	U976
Averages and the Range	U526
Problem solving area of a triangle	U945, U343
Scatter graph	U199, U277, U128
Expand and simplify	U179
Area of 2D shapes	U343
Probability table	U283, U545
Trigonometry	U510
Solving equations	U325, U870
Angles in polygons	U427
Similar shapes	U112, U578,
Rearranging formulae	U556

Media Studies

Subject:

Media Studies

Key topics to focus your revision on:

Quality Street and This Girl Can- Media Language

GQ-Media representations

007 website-Media industries

Fortnite- Media audiences

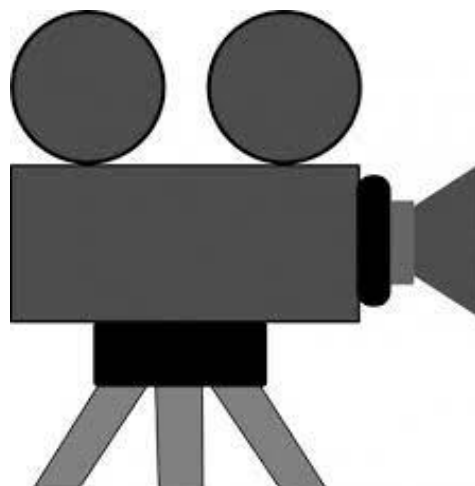
Music

Subject:

Music

Key topics to focus your revision on:

MAD T-SHIRT elements of music
AoS2 (Baroque concertos only)
AoS4 (film music)
AoS5 (conventions of pop)



P.E

<u>Subject:</u> P.E
<u>Key topics to revise:</u>
Anatomy and physiology -All the different body systems
Physical Training - Components of fitness, Principles of training, methods of training, SMART targets, Performance enhancing drugs, methods of training, SMART targets, Optimising training and preventing injury
Sports Psychology

R.E

<u>Subject:</u> R.E
<u>Exam format:</u> Written exam- 30 mins with 1,2,4,5,& 12 mark questions
<u>Key topics to focus your revision on:</u>
Christian Beliefs
Christian Practices
Islam Beliefs
Islam Practices
Peace and Conflict
<u>Top revisions tips:</u> <ul style="list-style-type: none">• Please use the AQA Revision guide (available on Parent Pay) and also the teacher made individual Revision guides that are on SharePoint (these will also be attached to Satchel One).• Complete Flashcards using the checklist• Complete practice questions using the practice tests in the revision guide.



Science (Biology, Chemistry & Physics)

Subject:

Biology

Exam format

Separate (10A1/10B1): 1hr45
100marks

Combined (10A2/3/4/B2/3/4) 1hr15
70marks

Key topics to revise

Cells

Organisation

Infection and response

Bioenergetics

Required practicals: food tests, osmosis, pH amylase, photosynthesis, microscopy (all practicals combined and separate Biology) and microbiology (separate Biology only)

Subject:

Chemistry

Key topics to revise:

1 - Atomic Structure & the Periodic Table

2 - Structure & Bonding

4 - Chemical Changes

5 - Energy Changes

6 - Rate and Extent of Change

8 - Chemical Analysis

Subject:

Physics

Key topics to revise:

Energy

Particle Model

Atomic Structure

Electricity

Sociology

Subject:

Sociology

Key topics to focus your revision on:

1. Research methods
2. Families and households
3. Education (Up to and including: theories of education and education policy)

Spanish

Subject:

Spanish

Exam format:

Listening, reading and writing exams

Key topics to focus your revision on:

Family

Relationships

Technology

Free-time

Festivals

Tips on how to revise

Quizlets and Blookets

Notes in your exercise book

Knowledge organisers (stuck in your book)

Revision knowledge organiser

Ask someone at home to test you on vocabulary

Revision Timetable

Use this to keep a track of what subjects you do and when-you do not need to fill it all out! It is useful to track and tick off what subjects/topics you have done and then plan ahead for the next day.

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday